

SEQUENCE LISTING



COPY OF PAPERS
ORIGINALLY FILED

<110> Rajgarhia, Vineet
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Ruohonen, Laura
Ilmen, Marja
Koivuranta, Kari

<120> Methods and materials for synthesis of organic products

<130> MBHB00-1237-A

<140> 09/992,430

<141> 2001-11-23

<150> 60/252541

<151> 2000-11-22

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<170> PatentIn version 3.1

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gta aaa gtt gtg gta gtg gga gtg gga agt gtt ggg tct gcc aca gcg

96

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Gly	Ala	Ala	Ile	Val	Ile	Val	Thr	Cys	Gly	Ile	Asn	Gln	Lys	Asn	Gly	
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Glu	Lys	Ala	Asn	His	Ile	Phe	Asp	Gln	Asn	Ala	Phe	His	Arg	Ile	Phe	
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Tyr Thr Leu Leu Leu Ser Gly Ile Val Ser Glu Ile Val Leu Ile Asp
35 40 45

Val Asn Lys Asp Lys Ala Glu Gly Glu Ser Met Asp Leu Asn His Ala
50 55 60

Ala Pro Ser Asn Thr Arg Ser Arg Ala Gly Asp Tyr Pro Asp Cys Ala
65 70 75 80

Gly Ala Ala Ile Val Ile Val Thr Cys Gly Ile Asn Gln Lys Asn Gly
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Gln Thr Arg Met Asp Leu Ala Ala Lys Asn Ala Asn Ile Met Leu Glu
100 105 110

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Gly Phe Pro Leu Ser Arg Val Ile Gly Ser Gly Thr Val Leu Asp Thr
145 150 155 160

Ala Arg Phe Lys Tyr Ile Leu Gly Glu His Phe Lys Ile Ser Ser Asp
165 170 175

Ser Ile Asp Ala Cys Val Ile Gly Glu His Gly Asp Ser Gly Val Pro
180 185 190

Val Trp Ser Leu Thr Asn Ile Asp Gly Met Lys Leu Arg Asp Tyr Cys
195 200 205

Glu Lys Ala Asn His Ile Phe Asp Gln Asn Ala Phe His Arg Ile Phe
210 215 220

Glu Gln Thr Arg Asp Ala Ala Tyr Asp Ile Ile Lys Arg Lys Gly Tyr
225 230 235 240

Thr Ser Tyr Gly Ile Ala Ala Gly Leu Leu Arg Ile Val Lys Ala Ile
245 250 255

Leu Glu Asp Thr Gly Ser Thr Leu Thr Val Ser Thr Val Gly Asp Tyr
260 265 270

Phe Gly Val Glu Gln Ile Ala Ile Ser Val Pro Thr Lys Leu Asn Lys
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35 40 45

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115 120 125

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130 135 140

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145 150 155 160

Phe Asn Val Ser Ser Glu Ser Val Asn Ala Phe Ile Ile Gly Glu His
165 170 175

Gly Asp Ser Ser Val Pro Val Trp Ser Leu Ala Glu Ile Ala Gly Met
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Lys Val Glu Asp Tyr Cys Arg Gln Ser Lys Arg Lys Phe Asp Pro Ser
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Ile Leu Thr Lys Ile Tyr Glu Glu Ser Arg Asp Ala Ala Ala Tyr Ile
210 215 220

Ile Glu Arg Lys Gly Tyr Thr Asn Phe Gly Ile Ala Ala Gly Leu Ala
225 230 235 240

Arg Ile Val Arg Ala Ile Leu Arg Asp Glu Gly Ala Leu Leu Thr Val
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Ser Thr Val Gly Glu His Phe Gly Met Lys Asp Val Ser Leu Ser Val
260 265 270

Pro Thr Arg Val Asp Arg Ser Gly Ala His His Val Val Asp Leu Leu
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